

Fig. 1

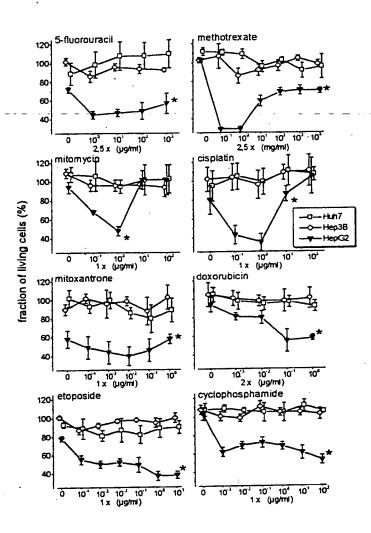


Fig. 2

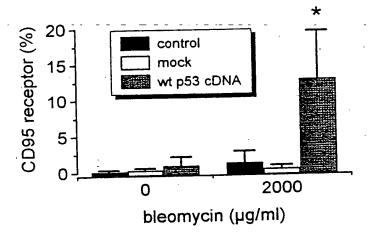


Fig. 3

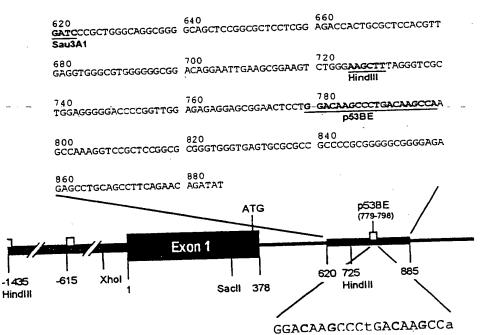


Fig. 4

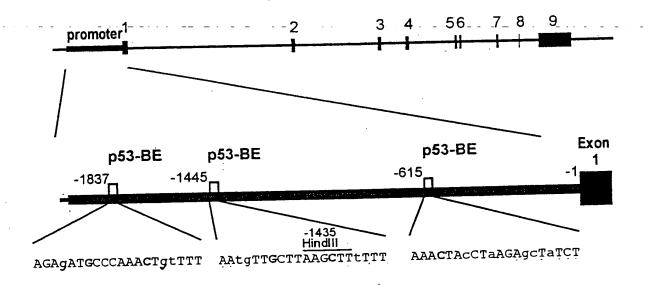


Fig. 5

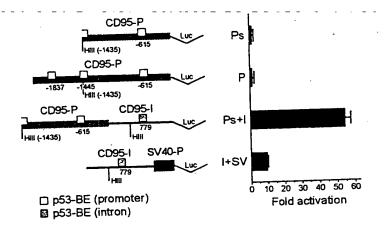
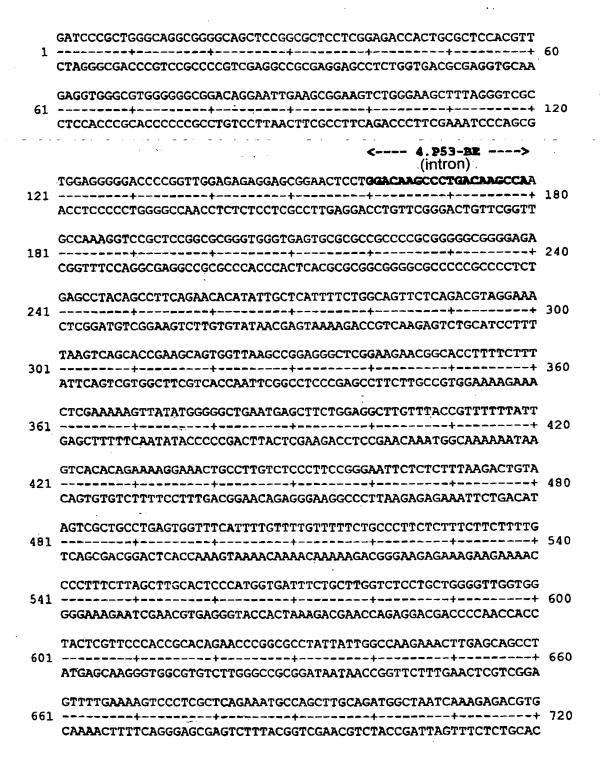


Fig. 6



7/26 Fig. 7





2<sup>nd</sup> half of the **2.p53-BE** (promoter)

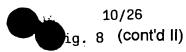
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	TAAGTTTAATAATCACTCATCTCACTGGGCTATAATGATAAGTATTAAGTAAG	5.40
481	ATTCAAATTATTAGTGAGTAGAGTGACCCGATATTACTATTCATAATTCATTC	540
541	CACATATGTGAGTTGCTGGCTTATAATTCACACTCAAGAGATACTGATTTTGTCAATTGT+ GTGTATACACTCAACGACCGAATATTAAGTGTGAGTTCTCTATGACTAAAACAGTTAAACA	600
601	CCTTTCCCCTTTTTTTCTCTCTCCCTCCTTCCATTCCTTCTCCCTTACCTCTCCTTTC	660
661	CTTCCCTCACACCCCTTTTCCTTCCTTCTTTTTACATTTTTT	720
721	ATTTTGGAATAGTTTTAGGATTTCAAAAATTTGCAGAGATAATACAGAGAATGCCCATA TAAAACCTTATCAAAAATCCTAAAGTTTTTTAAACGTCTCTATTATGTCTCTTACGGGTAT	780
781	TACCATCCTCCTTATCCCACTTCTTTTTGTGTCTATTAGATGCTCAGAGTGTGCACAA  ATGGTAGGAGGAATAGGGTGAAGAAAAACACAGATAATCTACGAGTCTCACACACA	840
841	GGCTGGCACGCCCAGGGTCTTCCTCATGGCACTAACAGTCTACTGAAAGGTGGAACAGAG CCGACCGTGCGGGTCCCAGAAGGAGTACCGTGATTGTCAGATGACTTTCCACCTTGTCTC	900
901	ACAAGCCTATCAACACCTACAAGACTGGTGGTAAGTGCAGTGACAGATGCAAAACACAGG TGTTCGGATAGTTGTGGATGTTCTGACCACCATTCACGTCACTGTCTACGTTTTGTGTCC	960
991	GTGATGGAAAGCCCTCAGGAGGGTAACCTAACCTAGATTTGAGGGCCCAAACAGGCTCCA + CACTACCTTTCGGGAGTCCTCCCATTGGATTGGATCTAAACTCCCGGGTTTGTCCGAGGT	1020
1021	GAAGAAAATGTCAACTGAGAGGAAGCCTGAAGGATGAACAGTGGGCTAAGCAAAGGGTTA	1080



# (cont'd I)



1081	TTAATGTGTTATTAATGGGTTGAATCTAATTGGGAAGGGAGAGAGGTTGCAGAGTGAGGT	1140
1001	AATTACACAATAATTACCCAACTTAGATTAACCCTTCCCTCTCCCAACGTCTCACTCCA	
1141	GCAGAGCTTGGTGGACGATGCCAAAGGAATACTGAAACCTTTAGTGTGTCCAGTCTGGAA	1200
	CGTCTCGAACCACCTGCTACGGTTTCCTTATGACTTTGGAAATCACACAGGTCAGACCTT	1200
1201	CTGCATCCAAATTCAGGTTCAGTAATGATGTCATTATCCAAACATACCTTCTGTAAAATT	1260
	GACGTAGGTTTAAGTCCAAGTCATTACTACAGTAATAGGTTTGTATGGAAGACATTTTAA	
	<b>← 3.p53-B£→</b> (promoter)	
	CATGCTAAACTACCTAAGAGCTATCTACCGTTCCAAAGCAATAGTGACTTTGAACAGTGT	
1261	GTACGATTGATGGATTCTCGATAGATGGCAAGGTTTCGTTATCACTGAAACTTGTCACA	1320
1321	TCACCAGAGCACGAAAGAATTACAAGATTTTTTTTTAAAGAAAATTGGCCAGGAAATAAT	1200
	AGTGGTCTCGTGCTTTCTTAATGTTCTAAAAAAAATTTCTTTTAACCGGTCCTTTATTA	1380
1381	GAGTAACGAAGGACAGGAAGTAATTGTGAATGTTTAATATAGCTGGGGCTATGCGATTTG	1440
	${\tt CTCATTGCTTCCTGTCCTTCATTAACACTTACAAATTATATCGACCCCGATACGCTAAAC}$	
1441	GCTTAAGTTGTTAGCTTTGTTTTCCTCTTGAGAAATAAAAACTAAGGGGCCCTCCCT	1500
	CGAATTCAACAATCGAAACAAAAGGAGAACTCTTTATTTTTGATTCCCCGGGAGGGA	1300
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	GTCTCGGGATACCGCGTTGTAGACATGAAAAAGTATACCAATTGACAGGTAAGGTCCTTG	1300
1561	GTCTGTGAGCCTCTCATGTTGCAGCCACAACATGGACAGCCCAGTCAAATGCCCCGCAAG	1620
	CAGACACTCGGAGAGTACAACGTCGGTGTTGTACCTGTCGGGTCAGTTTACGGGGCGTTC	
1621	TCTTTCTCTGAGTGACTCCAGCAATTAGCCAAGGCTCCTGTACCCAGGCAGG	1680
	AGAAAGAGACTCACTGAGGTCGTTAATCGGTTCCGAGGACATGGGTCCGTCC	
1681	·	1740
	CGAGACTCGAGGTAAGAGGAAGTTCTGGAGGGGTTGAAGGGTCCAACTTGATGTCGTCTT	
1741	GCCTTTAGAAAGGGCAGGAGGCCGGCTCTCGAGGTCCTCACCTGAAGTGAGCATGCCAGC	1800
	CGGAAATCTTTCCCGTCCTCCGGCCGAGAGCTCCAGGAGTGGACTTCACTCGTACGGTCG	
1801	CACTGCAGGAACGCCCCGGGACAGGAATGCCCATTTGTGCAACGAACCCTGACTCCTTCC	1860
	GTGACGTCCTTGCGGGGCCCTGTCCTTACGGGTAAACACGTTGCTTGGGACTGAGGAAGG	
1861	TCACCCTGACTTCTCCCCCTCCCTACCCGCGCGCGCGCGC	1920
- OOI	AGTGGGACTGAAGAGGGGGGGGGATGGGCGCGCGTCCGGTTCAACGACTTAGTTACCTCG	





	1921	CCTCCCCAACCCGGGCGTTCCCCAGCGAGGCTTCCTTCCCATCCTCCTGACCACCGGGGC	1980
		GGAGGGTTGGGCCCGCAAGGGGTCGCTCCGAAGGAAGGGTAGGAGGACTGGTGGCCCCG	
	1981	TTTTCGTGAGCTCGTCTCTGATCTCGCGCAAGAGTGACACACAGGTGTTCAAAGACGCTT	2040
		AAAAGCACTCGAGCAGAGACTAGAGCGCGTTCTCACTGTGTGTCCACAAGTTTCTGCGAA	2010
	2041	CTGGGGAGTGAGCGGAAGCGGTTTACGAGTGACTTGGCTGGAGCCTCAGGGGGGGCACTG	2100
		GACCCCTCACTCCCTTCGCCAAATGCTCACTGAACCGACCTCGGAGTCCCCGCCCG	
	2101	GCACGGAACACCCTGAGGCCAGCCCTGGCTGCCCAGGCGGAGCTGCCTCTTCTCCCGC	2160
		CGTGCCTTGTGTGGGACTCCGGTCGGGACCGACGGGTCCGCCTCGACGGAGAAGAGGGCG	
	2161	GGACATGTACAGAGCTCGAGAAGTACTAGTGGCCACGTGGGCCGTGCACCTTAAGCTTTA	2220
		CCTGTACATGTCTCGAGCTCTTCATGATCACCGGTGCACCCGGCACGTGGAATTCGAAAT	
		←4.p53-BE (intron)	
	2221	GGGTCGCTGGAGGGGGACCCCGGTTGGAGAGGAGGGGGAACTCCTGGACAAGCCCTGAC	
	2221	CCCAGCGACCTCCCCCTGGGGCCAACCTCTCCTCGCCTTGAGGACCTGTTCGGGACTG	2280
<del>==</del>		<del>-</del>	
	2281	AAGCCAAGCCAAAGGTCCGCTCCGGCGCGGGGGTGGGTGAGTGCGCGCCGCCGCGGGGGC	2340
<b>+</b> -	2201	TTCGGTTCCAGGCGAGGCCGCCCCACCCACTCACGCGGGGGGGCGCCCCCG	2340
i.	2341	GGGGAGAGAGCCTGCAGCCTTCAGAACAGATATTGCTCATTTTCTGGCAGTTCTCAGACG	2400
1		CCCCTCTCTCGGACGTCGGAAGTCTTGTCTATAACGAGTAAAAGACCGTCAAGAGTCTGC	
	2401	TAGGAAATAAGTCAGCACCGAAGCAGTGGTTAAGCCGGAGGGCTCGGAAGAACGGCACCT	2460
		ATCCTTTATTCAGTCGTGGCTTCGTCACCAATTCGGCCTCCCGAGCCTTCTTGCCGTGGA	
	2461	TTTCTTTCTCGAAAAAGTTATATGGGGGCTGAATGAGCTTCTGGAGGCTTGTTTACCGTT	2520
		AAAGAAAGAGCTTTTTCAATATACCCCCGACTTACTCGAAGACCTCCGAACAAATGGCAA	
	2521	· · · · · · · · · · · · · · · · · · ·	2580
		AAAATAACAGTGTGTCTTTTCCTTTGACGGAACAGAGGGGAAGGCCCCTTAAGAGAGAAATT	
	2581	GACTGTAAGTCGCTGAGTGGTTTCATTTTGTTTTTTTTTT	2640
		CTGACATTCAGCGACGGACTCACCAAAGTAAAACAAAAC	
	2641	TCTTTTGCCCTTTCTTAGCTTGCACTCCCATGGTGATTTCTGCTTGGTCTCCTGCTGGGG	2700
		${\tt AGAAAACGGGAAAGAATCGAACGTGAGGGTACCACTAAAGACGAACCAGAGGACGACCCCC}$	



2701	TTGGTGGTACTCGTTCCCACCGCACAGAACCCGGCGCCTATTATTGGCCAAGAAACTTGA	2760
2761	GCAGCCTGTTTTGAAAAGTCCCTCGCTCAGAAATGCCAGCTTGCAGATGGCTAATCAAAG	2820
2821	AGACGTG 2827 TCTGCAC	

ngezuzgz nulunt





1	TGAGGACTCTCAGGAATATGCTGGTAAAATAAAATAACCTTTAGAGATGCCCAAACTGT+	60
	<b>&gt;</b>	
61	TTTCCCCAGAACACCAGCATTCATTAGGTGTTCATTCAATAGATTCTTCAAAGGATTCCA	120
	AAAGGGGTCTTGTGGTCGTAAGTAATCCACAAGTAAGTTATCTAAGAAGTTTCCTAAGGT	
	AAGGCAAAGAAGTTTGGGGAACAGTATATAAATTACCCAACCCTTTGACATTAGCATAC	180
121	TTCCGTTTCTCAAACCCCTTGTCATATATATTAATGGGTTGGGAAACTGTAATCGTATG	100
	TAAGGGCCCTGAGAAGTTTTGGATTAAGAAAGTTTTCAAATTAAAGTAACCCAGAATTTT	240
181	ATTCCCGGGACTCTTCAAAACCTAATTCTTTCAAAAGTTTAATTTCATTGGGTCTTAAAA	240
	CTAAGATTATTTGACCATGAAACATATGTCTCCCCACAAAGCACATATTCCTATCTCCTT	300
241	GATTCTAATAAACTGGTACTTTGTATACAGAGGGGTGTTTCGTGTATAAGGATAGAGGAA	300
	GAACTTGAGGATAATTAGACGTACGTGGGTAGAGGGTAGGGGAAGGGGGTATGGCATAGA	360
301	CTTGAACTCCTATTAATCTGCATGCACCCATCTCCCATCCCCTTCCCCCATACCGTATCT	300
	AAGAGCAGGACCTTGGGAGCAAGAATATCTAAGTTTAATTCCTGACTCTGCTATTTATT	420
361	TTCTCGTCCTGGAACCCTCGTTCTTATAGATTCAAATTAAGGACTGAGACGATAAATAA	420
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421	TGATTGGTAGAAACGGTTACAACGAATTCGAAAAAACCGATGTAAAAAAAA	400
	TAAGTTTAATAATCACTCATCTCACTGGGCTATAATGATAAGTATTAAGTAAG	540
481	ATTCAAATTATTAGTGAGTAGAGTGACCCGATATTACTATTCATAATTCATTC	
541	CACATATGTGAGTTGCTGGCTTATAATTCACACTCAAGAGATACTGATTTTGTCAATTGT	600
	GTGTATACACTCAACGACCGAATATTAAGTGTGAGTTCTCTATGACTAAAACAGTTAACA	
٠٥٠	CCTTTCCCCTTTTTTTCTCTCTCCTCCTTCCATTCCTTCTT	660
601	GGAAAGGGGAAAAAAAGAGAAGGGAAGGAAGGTAAGGAAGAA	

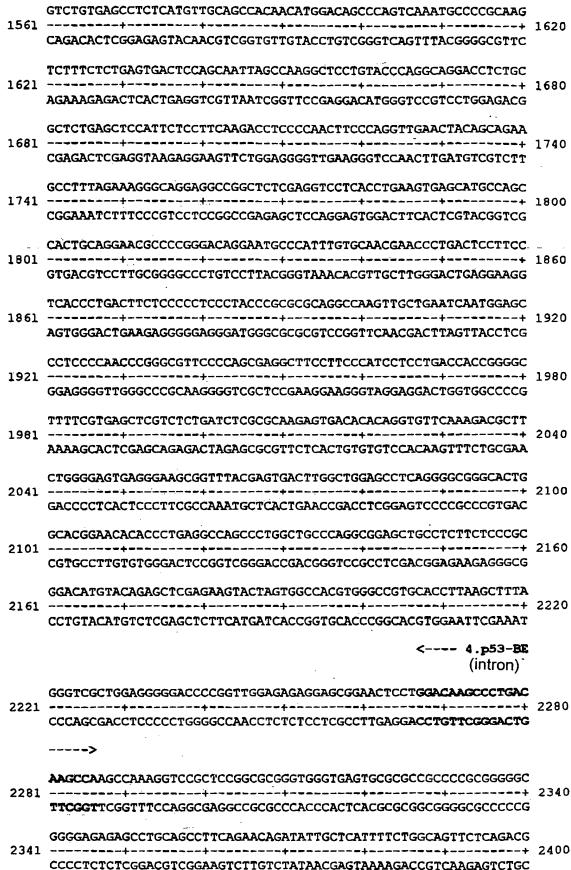


661	CTTCCCTCACACCCCTTTTCCTTCCTTCTTTTTACATTTTTT	720
901	GAAGGGAGTGTGGGGAAAAGGAAGGAAGAAAATGTAAAAAA	
721	ATTTTGGAATAGTTTTAGGATTTCAAAAAATTTGCAGAGATAATACAGAGAATGCCCATA	780
	TAAAACCTTATCAAAATCCTAAAGTTTTTTAAACGTCTCTATTATGTCTCTTACGGGTAT	
781	TACCATCCTCCTTATCCCACTTCTTTTTGTGTCTATTAGATGCTCAGAGTGTGTGCACAA	840
	ATGGTAGGAGAATAGGGTGAAGAAAAACACAGATAATCTACGAGTCTCACACACGTGTT	
841	GGCTGGCACGCCCAGGGTCTTCCTCATGGCACTAACAGTCTACTGAAAGGTGGAACAGAG	900
	CCGACCGTGCGGGTCCCAGAAGGAGTACCGTGATTGTCAGATGACTTTCCACCTTGTCTC	
901		960
	TGTTCGGATAGTTGTGGATGTTCTGACCACCATTCACGTCACTGTCTACGTTTTGTGTCC	
991	GTGATGGAAAGCCCTCAGGAGGGTAACCTAACCTAGATTTGAGGGCCCCAAACAGGCTCCA	1020
	CACTACCTTTCGGGAGTCCTCCCATTGGATTGGATCTAAACTCCCGGGTTTGTCCGAGGT	
1021		1080
	CTTCTTTTACAGTTGACTCTCCTTCGGACTTCCTACTTGTCACCCGATTCGTTTCCCAAT  TTAATGTGTTATTAATGGGTTGAATCTAATTGGGAAGGGAGAGAGGTTGCAGAGTGAGGT	1140
1081	AATTACACAATAATTACCCAACTTAGATTAACCCTTCCCTCTCCCAACGTCTCACTCCA	
	GCAGAGCTTGGTGGACGATGCCAAAGGAATACTGAAACCTTTAGTGTGTCCAGTCTGGAA	
1141	CGTCTCGAACCACCTGCTACGGTTTCCTTATGACTTTGGAAATCACACAGGTCAGACCTT	1200
	CTGCATCCAAATTCAGGTTCAGTAATGATGTCATTATCCAAACATACCTTCTGTAAAATT	1260
1201	GACGTAGGTTTAAGTCCAAGTCATTACTACAGTAATAGGTTTGTATGGAAGACATTTTAA	
	< 3.p53-BE>	
1261	CÄTGCTAAACTACCTAAGAGCTATCTACCGTTCCAAAGCAATAGTGACTTTGAACAGTGT	1320
1261	GTACGATTTGATGGATTCTCGATAGATGGCAAGGTTTCGTTATCACTGAAACTTGTCACA	1320
1321	TCACCAGAGCACGAAAGAATTACAAGATTTTTTTTTAAAGAAAATTGGCCAGGAAATAAT	1380
	AGTGGTCTCGTGCTTTCTTAATGTTCTAAAAAAAAATTTCTTTTAACCGGTCCTTTATTA	
1381	GAGTAACGAAGGACAGGAAGTAATTGTGAATGTTTAATATAGCTGGGGCTATGCGATTTG	1440
	CTCATTGCTTCCTGTCCTTCATTAACACTTACAAATTATATCGACCCCGATACGCTAAAC	
1441	GCTTAAGTTGTTAGCTTTGTTTTCCTCTTGAGAAATAAAACTAAGGGGCCCTCCCT	1500
	CGAATTCAACAATCGAAACAAAAGGAGAACTCTTTATTTTTGATTCCCCGGGAGGAAAA	
1501	CAGAGCCCTATGGCGCAACATCTGTACTTTTCATATGGTTAACTGTCCATTCCAGGAAC	1560
	GTCTCGGGATACCGCGTTGTAGACATGAAAAAGTATACCAATTGACAGGTAAGGTCCTTG	



#### 14/26 (cont'd II)





#### 15/26 Fig. 9 (cont'd III)

TAGGAATAAGTCACACCGAAGCAGTGGTTAAGCCGGAGGGCTCGGAAGAACGGCACCT 2401++	2460
ATCCTTTATTCAGTCGTGGCTTCGTCACCAATTCGGCCTCCCGAGCCTTCTTGCCGTGG	•
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TTTTATTGTCACACAGAAAAGGAAACTGCCTTGTCTCCCTTCCGGGAATTCTCTCTTTAA	
AAAATAACAGTGTGTCTTTTCCTTTGACGGAACAGAGGGAAGGCCCTTAAGAGAGAAAT	
GACTGTAAGTCGCTGCCTGAGTGGTTTCATTTTGTTTTTTTT	
2581	
TCTTTTGCCCTTTCTTAGCTTGCACTCCCATGGTGATTTCTGCTTGGTCTCCTGCTGGG	
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TTGGTGGTACTCGTTCCCACCGCACAGAACCCGGCGCCTATTATTGGCCAAGAAACTTG	
AACCACCATGAGCAAGGGTGGCGTGTCTTGGGCCGCGGATAATAACCGGTTCTTTGAAC	
GCAGCCTGTTTTGAAAAGTCCCTCGCTCAGAAATGCCAGCTTGCAGATGGCTAATCAAA	
CGTCGGACAAACTTTTCAGGGAGCGAGTCTTTACGGTCGAACGTCTACCGATTAGTTT	
AGACGTG 2821 2827	
TCTGCAC	



<---- 1.p53-B2 ---(promoter)

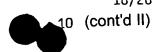
т	GAGGACTCTCAGGAATATGCTGGTAAAATAAAAATAACCTTTAGAGATGCCCAAACTGT	60
1 - A	CTCCTGAGAGTCCTTATACGACCATTTTATTTTTTTTTT	
-	>	
	·	120
61 -	AAAGGGGTCTTGTGGTCGTAAGTAATCCACAAGTAAGTTATCTAAGAAGTTTCCTAAGGT	
1	AAGGCAAAGAAGTTTGGGGAACAGTATATATAATTACCCAACCCTTTGACATTAGCATAC	180
	TTCCGTTTCTTCAAACCCCTTGTCATATATATTAATGGGTTGGGAAACTGTAATCGTATG	
	TAAGGGCCCTGAGAAGTTTTGGATTAAGAAAGTTTTCAAATTAAAGTAACCCAGAATTTT	240
181	ATTCCCGGGACTCTTCAAAACCTAATTCTTTCAAAAGTTTAATTTCATTGGGTCTTAAAA	
1	CTAAGATTATTTGACCATGAAACATATGTCTCCCCACAAAGCACATATTCCTATCTCCTT	300
241	GATTCTAATAAACTGGTACTTTGTATACAGAGGGGTGTTTCGTGTATAAGGATAGAGGAA	
	GAACTTGAGGATAATTAGACGTACGTGGGTAGAGGGTAGGGGAAGGGGGTATGGCATAGA	360
301	CTTGAACTCCTATTAATCTGCATGCACCCATCTCCCATCCCCTTCCCCCATACCGTATCT	
		420
361	TTCTCGTCCTGGAACCCTCGTTCTTATAGATTCAAATTAAGGACTGAGACGATAAATAA	
	< 2. <b>p53-8E</b> > (promoter)	•
	ACTAACCATCTTTGCCAATGTTGCTTAAGCTTTTTTTGGCTACATTTTTTTT	480
421	TGATTGGTAGAAACGGTTACAACGAATTCGAAAAAACCGATGTAAAAAAAA	:
	TAAGTTTAATAATCACTCATCTCACTGGGCTATAATGATAAGTATTAAGTAAG	: - 540
481	ATTCAAATTATTAGTGAGTAGAGTGACCCGATATTACTATTCATAATTCATTC	;
	· · · · · · · · · · · · · · · · · · ·	
541	GTGTATACACTCAACGACCGAATATTAAGTGTGAGTTCTCTATGACTAAAACAGTTAACA	
	CCTTTCCCCTTTTTTTCTCTCTTCCCTCCTTCCATTCCTTCTT	
601	GGAAAGGGGAAAAAAGAGAAGGGAAGGAAGGAAGGAAGGAATGGAGAAAA	G
	CTTCCCTCACACCCCTTTTCCTTCCTTCTTTTTACATTTTTT	, ,
661	GAAGGGAGTGTGGGGAAAAGGAAGGAAGAAAATGTAAAAAA	G
	ATTTTGGAATAGTTTTAGGATTTCAAAAAATTTGCAGAGATAATACAGAGAATGCCCAT	A + 780
72	ATTTTGGAATAGTTTTAGGATTTCAAAAAATTTGCAGAGATTTAGAGATTTTTAGAGATTTTTAAACGTCTCTATTATGTCTCTTACGGGTA	T



# 17/26 Fig. 10 (cont'd l)



	(1g. 10 (0000 y	
	TACCATCCTCCTTATCCCACTTCTTTTTGTGTCTATTAGATGCTCAGAGTGTGTGCACAA	
	ATGGTAGGAGGAATAGGGTGAAGAAAAACACAGATAATCTACGAGTCTCACACACGTGTT	
	GCTGGCACGCCCAGGGTCTTCCTCATGGCACTAACAGTCTACTGAAAGGTGGAACAGAG	
841	CCGACCGTGCGGGTCCCAGAAGGAGTACCGTGATTGTCAGATGACTTTCCACCTTGTCTC	
	ACAAGCCTATCAACACCTACAAGACTGGTGGTAAGTGCAGTGACAGATGCAAAACACAGG	
901	TGTTCGGATAGTTGTGGATGTTCTGACCACCATTCACGTCACTGTCTACGTTTTGTGTCC	
	GTGATGGAAAGCCCTCAGGAGGGTAACCTAACCTAGATTTGAGGGCCCCAACAGGCTCCAG	
961	CACTACCTTTCGGGAGTCCTCCCATTGGATTGGATCTAAACTCCCGGGTTGTCCGAGGTC	
	AAGAAAATGTCAACTGAGAGGAAGCCTGAAGGATGAACAGTGGGCTAAGCAAAGGGTTAT + 1080	
1021	TTCTTTTACAGTTGACTCTCCTTCGGACTTCCTACTTGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCGATTGGTCACCCCGATTGGTCACCCCACACCACACACCACACACA	-
4 6 6 1	TAATGTGTTATTAATGGGTTGAATCTAATTGGGAAGGGAGAGAGGTTGCAGAGTGAGGTG	)
1081	ATTACACAATAATTACCCAACTTAGATTAACCCTTCCCTCTCCCAACCTTCCCTCTCCCAACCTTCCCTCTCCCAACCTTCCCTCTCCCTCTCCCTCTCCCTCTCCCTCTCCCTCT	
1141	CAGAGCTTGGTGGACGATGCCAAAGGAATACTGAAACCTTTAGTGTGTCCAGTCTGGAAC	)
1143	GTCTCGAACCACCTGCTACGGTTTCCTTATGACTTTGGAAATCACACACTCTCTTATGACTTTTGGAAATCACACACTCTCTTATGACTTTTGGAAATCACACACTCTCTTATGACTTTTTTTT	
120	TGCATCCAAATTCAGGTTCAGTAATGATGTCATTATCCAAACATACCTTCTGTAAAATTC	0
120	ACGTAGGTTTAAGTCCAAGTCATTACTACAGTAATAGGTTTGTATGGTTAGAGTCAGTC	
	< 3.p53-BE>	
	(promoter)	
126	ATGCTAAACTACCTAAGAGCTATCTACCGTTCCAAAGCAATAGTGACTTTGAACAGTGTT 132	0
126	TACGATTTGATGGATTCTCGATAGATGGCAAGGTTTCGTTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTGTATCACTACTACTACTACTACTACTACTACTACTACTACT	
	CACCAGAGCACGAAAGAATTACAAGATTTTTTTTTAAAGAAAATTGGCCAGGAAATAATG	10
132	GTGGTCTCGTGCTTTCTTAATGTTCTAAAAAAAAATTTCTTTTAAGGGGTCTCGTGCTTTCTTAATGTTCTAAAAAAAA	
	AGTAACGAAGGACAGGAAGTAATTGTGAATGTTTAATATAGCTGGGGCTATGCGATTTGG	40
130	1	
	CTTAAGTTGTTAGCTTTGTTTTCCTCTTGAGAAATAAAAACTAAGGGGCCCTCCCT	00
14	GAATTCAACAAICGAAACAAA	
15	AGAGCCTTATGGCGCAACATCTGTACTTTTTCATATGGTTAACTGTCCATTCCAGAAACG	60
13	TCTCGGAATACCGCGTTGTAGACATGAAAAAGTATACCC	
15	TCTGTGAGCCTCTCATGTTGCAGCCACAACATGGACAGCCCAGTCAAATGCCCCGCAAGT 61+ 1000000000000000000000000000000	520
	AGACACTCGGAGAGTACAACGTCGGTGTTGTACCTGTCGGGTCGGTC	
10	CTTTCTCTGAGTGACTCCAGCAATTAGCCAAGGCTCCTGTACCCAGGCAGG	680
_	GAAAGAGACTCACTGAGGTCGTTAATCGGTTCCGACCTCGAACTACAGCAGAAG	
1	CTCTGAGCTCCATTCTCCTTCAAGACCTCCCCAACTTCCCAGGTTGAACTACAGCAGAAG 81	740
-	81 GAGACTCGAGGTAAGAGGAAGTTCTGGAGGGGTTGAAGGGTCCAACTTGATGTCGTCTTC	





CCTTTAGAAAGGGCAGGAGGCCGGCTCTCGAGGTCCTCACCTGAAGTGAGCATGCCAGCC	
1741	
ACTGCAGGAACGCCCCGGGACAGGAATGCCCATTTGTGCAACGAACCCTGACTCCTTCCT	
1801 TGACGTCCTTGCGGGGCCCTGTCCTTACGGGTAAACACGTTGCTTGGGACTGAGGAAGGA	
CACCCTGACTTCTCCCCCTCCCTACCCGCGCGCGCCAGGTTGCTGAATCAATGGAGCC	
1861 GTGGGACTGAAGAGGGGGAGGGATGGGCGCGCGCGTCCGGTTCAACGACTTAGTTACCTCGG	
CTCCCCAACCCGGGCGTTCCCCAGCGAGGCTTCCTTCCCATCCTCGACCACCGGGGCT	
GAGGGGTTGGGCCCGCAAGGGTCGCTCCGAAGGAAGGGTAGGAGGACTGGTGGCCCCGA	
TTTCGTGAGCTCGTCTCTGATCTCGCGCAAGAGTGACACACAGGTGTTCAAAGACGCTTC	
AAAGCACTCGAGCAGAGACTAGAGCGCGTTCTCACTGTGTGTCCACAAGTTTCTGCGAAG	
TGGGGAGTGAGGGAAGCGGTTTACGAGTGACTTGGCTGGAGCCTCAGGGGCGGGC	)
ACCCCTCACTCCCTTCGCCAAATGCTCACTGAACCGACCTCGGAGTCCCCGCCCG	
CACGGAACACCCTGAGGCCAGCCCTGGCTGCCCAGGCGGAGCTGCCTCTTCTCCCGCG	)
2101 GTGCCTTGTGTGGGACTCCGGTCGGGACCGACGGGTCCGCCTCGACGGAGAAGAGGGCGC	
GGTTGGTGGACCCGCTCAGTACGGAGTTGGGGAAGCTCTTTCACTTCGGAGGATTGCTCA 2161+ 2220	)
CCAACCACCTGGGCGAGTCATGCCTCAACCCCTTCGAGAAAGTGAAGCCTCCTAACGAGT	
ACAACCATGCTGGGCATCTGGACCCTCCTACCTCTGGTGATCCCTCTCCTGCCCGGGTGG 2221	0
TGTTGGTACGACCCGTAGACCTGGGAGGGAGGACCACCTAGGGAGAGGACGGCCCACC	
AGGCTTACCCCGTCTTAGTCCCGGGGATAGGCAAAGTGGGGGGGG	0
TCCGAATGGGGCAGAATCAGGGCCCCTATCCGTTTCACCCCGCCCG	
GGATTGCGGCGGCACGCGCGCACGCGGGCACCTGGGAGCGGCGGGCG	0
CCTAACGCCGCCGTCGCCGCGTGCGCCCTCGCCGCCCCACGACGACGCCCTCCCC	
TTGGAGACTGGCTCCCGGGGGCTGTTAGGACCTTCCCTCAGGCCCGGGTGCTCAGAACGA 2401+	0
AACCTCTGACCGAGGGCCCCCGACAATCCTGGAAGGGAGTCCGGGCCCACGAGTCTTGGT	
TGGAGGACTTGCTTTTCTTGGGCCTTGATGCGAAGTGCTGATCCCGCTGGGCAGGCGGGG  2461	20
ACCTCCTGAACGAAAAGAACCCGGAACTACGCTTCACGACTAGGGGGGGG	
CAGCTCCGGCGCTCCTCGGAGACCACTGCGCTCCACGTTGAGGTGGGCGTGGGGGGGG	30
GTCGAGGCCGCGAGGAGCCTCTGGTGACGCGAGGTGCAACTCCACCCGCACCCCCGCCT	
CAGGAATTGAAGCGGAAGTCTGGGAAGCTTTAGGGTCGCTGGAGGGGGACCCCGGTTGGA 2581	40
< 4.p53-BE> (intron)	
GAGAGGAGCGGAACTCCTGGACAAGCCCTGACAAGCCCAAGCCCAAAGGTCCGCTCCGGCGC	00
2641	

10 (cont'd III)

	GGGTGGGTGAGTGCGCCCCCCCCGCGGGGGGGGGGAGAGAGCCTACAGCCTTCAGAACA	
2701	CCCACCCACTCACGCGCGGGGGGCGCCCCCCCCCCCCCC	2760
2761	CATATTGCTCATTTTCTGGCAGTTCTCAGACGTAGGAAATAAGTCAGCACCGAAGCAGTG	2820
	GTATAACGAGTAAAAGACCGTCAAGAGTCTGCATCCTTTATTCAGTCGTGGCTTCGTCAC	
	GTTAAGCCGGAGGGCTCGGAAGAACGGCACCTTTTCTTCTCGAAAAAGTTATATGGGGG	2880
2821	CAATTCGGCCTCCCGAGCCTTCTTGCCGTGGAAAAGAAAG	
	CTGAATGAGCTTCTGGAGGCTTGTTTACCGTTTTTTATTGTCACACAGAAAAGGAAACTG	2940
2881	GACTTACTCGAAGACCTCCGAACAAATGGCAAAAAATAACAGTGTGTCTTTTCCTTTGAC	
0041	CCTTGTCTCCCTTCCGGGAATTCTCTCTTTAAGACTGTAAGTCGCTGCCTGAGTGGTTTC	3000
2941	GGAACAGAGGGAAGGCCCTTAAGAGAGAAATTCTGACATTCAGGGACGGAC	
3001	ATTTTGTTTTGTTTTTCTGCCCTTCTCTTTCTTTTTTTTT	30,60
3001	TAAAACAAAACAAAAAGACGGGAAGAAGAAAGAAGAAACGGGAAAGAATCGAACGTGAGG	
3061	CATGGTGATTTCTGCTTGGTCTCCTGCTGGGGGTTGGTGGTACTCGTTCCCACCGCACAGA	3120
3001	GTACCACTAAAGACGAACCAGAGGACGACCCCAACCATGAGCAAGGGTGGCGTGTCT	
312	ACCCGGCGCCTATTATTGGCCAAGAAACTTGAGCAGCCTGTTTTGAAAAGTCCCTCGCTC	2100
	TGGGCCGCGGATAATAACCGGTTCTTTGAACTCGTCGGACAAAACTTTTCAGGGAGCGAG	:
3181	AGAAATGCCAGCTTGCAGATGGCTAATCAAAG	



Fig 11

# variations in the p53 binding region of figure 8

## 1. p1140 IMI

pl140

**GGACAAGCCCTGACAAGCCA** 

p1140 IMI

GGAAAGCCCTGACAAGCCA

positions of the mutations (boldface and arrow): 2270 (C-A)

으 등 부 2. p1140 IMII 다

p1140

GGACAAGCCCTGACAAGCCA

pll40 IMII

GGA**A**AAGCCCTGA**A**AAGCCA

positions of the mutations (boldface and arrow): 2270 ( $C\rightarrow A$ )

2280 (C→A)

#### 3. p1140 IMIII

p1140

GGACAAGCCCTGACAAGCCA

pll40 IMIII

GGAAAATCCCTGAAAATCCA

positions of the mutations (boldface and arrow): 2270 (C----A)

2273 (G→T)

2280 (C→A)

2283 (G→T)

p1140

GGACAAGCCCTGACAAGCCA

p1140 IMIV

**GC**ACAAGCCCT**C**ACAAGCCA

1

1

positions of the mutations (boldface and arrow): 2268  $(G \rightarrow T)$ 

2278 (C→A)

nggatagi nu aga



#### variations in the p53 binding regions of figure 9

#### 1. p1141 IMIII

p1141

**GGACAAGCCTGACAAGCCA** 

pll41 IMIII

GGAAAATCCCTGAAAATCCA

positions of the mutations (boldface and arrow): 2270

2273

2280

2283

\_p1141

AGAGATGCCCAAACTGTTTT

p1141 1p53

positions of the mutations (boldface and arrow): 50

57

#### 3. p1141 2p53

p1141

AATGTTGCTTAAGCTTTTTT

p1141 2p53

**AATGTTTCTTAAGATTTTTT** 

positions of the mutations (boldface and arrow): 443

450



#### 4. p1141 3p53

p1141

**AAACTACCTAAGAGCTATCT** 

p1141 3p53

**ACANTACCTAAGAGCTATCT** 

 $\uparrow$   $\uparrow$ 

positions of the mutations (boldface and arrow): 1268

1270

 $(C \rightarrow A)$ 

#### 5. p1141 ΔBgl

<---- 1.p53-BE ---->

p1141 p1141ABgl

AATAACCTTT**AGAGATGCCCAAACTGTTTT**CCCCAGAACA

6. p1141 ΔSpa 6. p1141 ∆Spe

<---- 2.p53-BE ---

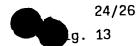
7. p1141 ΔMph

p1141

<---- 3.p53-BE ---->

p1141ΔBg1

AATTCATGCTAAACTACCTAAGAGCTATCTACCGTTCCAA



variations in the p53 binding region of figure 10

#### 1. p1142 TAG

mutation of the positions: 2227

2227 (A→T)

2228 (T→A)

#### 2. p1142 IMIII

p1142

GGACAAGCCCTGACAAGCCA

p1142 IMIII

GGAAAATCCCTGAAAATCCA

**† †** 

positions of the mutations (boldface and arrow): 2662 (C→A)

2665 (G→T)

2672 (C→A)

2675 (G→T)

#### 3. . p1142 ΔBgl

<---- 1.p53-BE ---->

p1142

AATAACCTTT**AGAGATGCCCAAACTGTTTT**CCCCAGAACA

p1142ABg1 AATAACCTTTA-----GATCTCCCCAGAACA

### 4. p1142 ΔSpe

<---- 2.p53-BE ---->

p1142

CATCTTTGCCAATGTTGCTTAAGCTTTTTTTGGCTACATTT

p1142∆Bgl

ATCTTTGCC**A------CTAGT**GGCTACATTT

#### p1142 ΔMph **5.**

p1142

<---- 3.p53-BE --->
AATTCATGCTAAACTACCTAAGAGCTATCTACCGTTCCAA

p1142ΔBgl

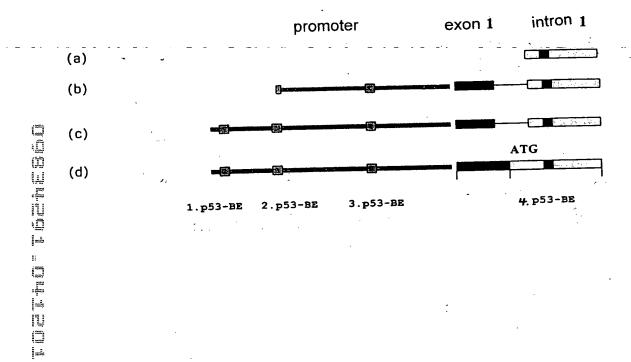


Fig. 14